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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/728,288	12/04/2003	Brian J. Cragun	ROC920030192US1	7906
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IBM CORPORATION, INTELLECTUAL PROPERTY LAW
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EXAMINER

LEE, WILSON

ART UNIT	PAPER NUMBER
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2163

DATE MAILED: 11/21/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/728,288

Applicant(s)

CRAGUN ET AL.

Examiner

Wilson Lee

Art Unit

2163

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 29 August 2006.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-23 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-23 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

Claim Rejections – 35 U.S.C. 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1-23 are rejected under 35 U.S.C. 102(e) as being anticipated by Kuchinsky et al. (US 2005/0039123).

Regarding Claim 1, Kuchinsky discloses a method for indicating objects in a view of data having corresponding annotations, comprising:

- querying an annotation store (See Figure 9) to identify annotations corresponding to objects in the view (See paragraphs 0070, 0091, 0134);
- generating one or more indicia maps indicating objects (See Figure 1) in the view having corresponding annotations (See Figures 4A, 7A, paragraphs 0072, 0088, 0134); and
- providing an indication of objects in the view having corresponding annotations, based on the one or more indicia maps (See Figures 4A, 7A, paragraphs 0072, 0088, 0134).

Regarding Claim 2, Kuchinsky discloses that generating one or more indicia maps indicating objects in the view having corresponding annotations comprises generating at least one indicia map indicating the existence of annotations for a

specified group (Render, Displa, GDH2, etc on each row) of data objects (See Figures 4A, 7A, paragraphs 0072, 0088, 0134).

Regarding Claim 3, Kuchinsky disclose that the view of data comprises a portion of a text document (See Figures 4A, 7A, paragraphs 0024, 0028, 0043, 0076).

Regarding Claim 4, Kuchinsky discloses that providing an indication of which objects in the view have corresponding annotations comprises displaying one or more annotation icons proximate one or more objects having corresponding annotations (See paragraphs 0110, 0111).

Regarding Claim 5, Kuchinsky discloses that generating one or more indicia maps indicating objects in the view having corresponding annotations comprises:

- setting a first bit (inherent feature since all data are formed in bit) in an indicia map to indicate a first data object (wt-gal, tw+, gal1+ etc) has a corresponding annotation (See Figure 4A, paragraph 0056); and
- setting a second one or more bits (inherent feature since all data are formed in bit) in the indicia map to indicate one or more sub-objects (cells in C1-C5 under wt-gal, tw+, gal1+ etc.) related to first data object have corresponding annotations (See Figure 4A, paragraphs 0024, 0070).

Regarding Claim 6, Kuchinsky discloses a method for indicating annotated objects in a relational view of data having rows of individual cells (See Figure 4A), comprising:

- querying an annotation store (See Figure 9) to identify annotations corresponding to objects in the view (See paragraphs 0070, 0091, 0134);

- generating one or more indicia maps indicating objects in the view having corresponding annotations, wherein the one or more indicia maps each comprise a single bit corresponding to a row and one or more bits corresponding to individual cells in the row (See Figures 4A, 7A, paragraphs 0072, 0088, 0134); and
- providing an indication of objects in the view having corresponding annotations, based on the one or more indicia maps (See Figures 4A, 7A, paragraphs 0072, 0088, 0134).

Regarding Claim 7, Kuchinsky discloses that querying the annotation store to identify annotations corresponding to objects in the view comprises generating and executing a query specifying a data source and one or more primary keys (Render, Displa, GDH2, etc on each row) identifying objects in the view (See Figures 4A, 7A, paragraphs 0072, 0088, 0134).

Regarding Claim 8, Kuchinsky discloses that retrieving the primary keys comprises:

- receiving a query (See paragraphs 0070, 0091) for generating the view, wherein a specified result set of the query does not include primary key data (modifying by the mouse) (See paragraphs 0021, 0111, 0142, 0147); and
- modifying the query to include primary key data in the result set (modifying by the mouse) (See paragraphs 0021, 0111, 0142, 0147).

Regarding Claim 9, Kuchinsky discloses that at least one of the indicia maps comprises one or more bits indicating the existence of annotations corresponding to a specified group of cells (See Figures 4A, 7A, paragraphs 0072, 0088, 0134).

Regarding Claim 10, Kuchinsky discloses that providing an indication of which objects in the view have corresponding annotations comprises: displaying an annotation icon proximate a row if the bit corresponding to the row is set; and displaying one or more annotation icons proximate one or more cells if their corresponding bits are set (See Figures 4A, 7A, paragraphs 0072, 0088, 0110, 0111, 0134).

Regarding Claim 11, Kuchinsky discloses the method further comprising:

- retrieving partial annotation information (information other than blank) related to annotated objects (See Figures 4A, 7A, paragraphs 0058, 0091, 0138); and
- displaying partial annotation information in response to a user placing a mouse cursor (See paragraphs 0021, 0111, 0142, 0147) over an annotation icon (See Figures 4A, 7A, paragraphs 0110, 0111).

Regarding Claim 12, Kuchinsky discloses the method further comprising, in response to a user selecting an annotation icon, displaying a corresponding annotation (See Figure 4A, paragraphs 0110, 0111).

Regarding Claim 13, Kuchinsky discloses the method further comprising retrieving the corresponding annotation, in response to the user selecting the annotation icon. (See Figure 4A, paragraphs 0110, 0111).

Regarding Claim 14, Kuchinsky discloses that generating one or more indicia maps indicating which, if any, objects in the view have corresponding annotations comprises: generating a temporary table having entries with a single bit set to indicate an annotated row or annotated individual cells; and combining individual entries corresponding to a common row to generate an indicia map for the common row. (See Figures 4A, 7A, paragraphs 0072, 0088, 0110, 0111, 0134).

Regarding Claim 15, Kuchinsky discloses a computer-readable medium containing a program for indicating objects in a view of data that have annotations which, when executed by a processor (See Figure 9), performs operations comprising:

- querying an annotation store to identify annotations corresponding to objects in the view (See paragraphs 0070, 0091, 0134);
- generating one or more indicia maps indicating objects in the view having corresponding annotations (See Figures 4A, 7A, paragraphs 0072, 0088, 0134); and
- providing an indication of objects in the view having corresponding annotations, based on the one or more indicia maps (See Figures 4A, 7A, paragraphs 0072, 0088, 0134).

Regarding Claim 16, Kuchinsky discloses that querying the annotation store comprises querying (See paragraphs 0070, 0091, 0134) a data source separate from a data source containing the corresponding objects in the view (See Figure 9).

Regarding Claim 17, Kuchinsky discloses that the view of data comprises a portion of a text document (See Figures 4A, 7A, paragraphs 0024, 0028, 0043, 0076).

Regarding Claim 18, Kuchinsky discloses that the view of data comprises a relational view of data having rows of individual cells; and each indicia map comprises a single bit corresponding to a row and one or more bits corresponding to individual cells in the row (See Figures 4A, 7A).

Regarding Claim 19, Kuchinsky discloses that querying the annotation store to identify annotations corresponding to objects in the view comprises generating and executing a query specifying a data source and one or more primary keys identifying rows in the view (See Figures 4A, 7A).

Regarding Claim 20, Kuchinsky discloses a system for indicating objects in a view of data having corresponding annotations, comprising:

- an annotation database (See Figure 9) for storing annotation records containing annotations (See paragraphs 0070, 0091, 0134); and
- an executable component configured to query the annotation database to identify annotations corresponding to objects in the view, generate one or more indicia maps indicating objects in the view having corresponding annotations, and provide an indication of objects in the view having corresponding annotations, based on the one or more indicia maps (See Figures 4A, 7A, paragraphs 0072, 0088, 0134).

Regarding Claim 21, Kuchinsky discloses that the view of data comprises a relational view of data having rows of individual cells; and each indicia map comprises a single bit corresponding to a row and one or more bits corresponding to individual cells in the row (See Figures 4A, 7A).

Regarding Claim 22, Kuchinsky discloses the executable component is configured to query the annotation database to identify annotations corresponding to objects in the view by generating and executing a query specifying a data source and one or more primary keys (Render, Displa, GDH2, etc on each row) identifying objects in the view. (See Figures 4A, 7A, paragraphs 0070, 0091, 0134)

Regarding Claim 23, Kuchinsky discloses that the executable component is further configured to obtain the one or more primary keys (Render, Displa, GDH2, etc on each row) by modifying a query designed to generate the view of data. (See Figures 4A, 7A, paragraphs 0070, 0091, 0134)

Claims 1-23 are rejected under 35 U.S.C. 102(e) as being anticipated by Rosenzweig et al. (7,020,848).

Regarding Claim 1, Rosenzweig discloses a method for indicating objects in a view of data having corresponding annotations, comprising:

- querying an annotation store (See Col. 1, lines 9-35) to identify annotations (116, 122) corresponding to objects in the view (See Col. 3, lines 16-23 and Figures 1-5);
- generating one or more indicia maps indicating objects in the view having corresponding annotations (See Col. 3, lines 16-23, lines 55-64, Figures 1 and 2); and
- providing an indication of objects in the view having corresponding annotations, based on the one or more indicia maps (See Col. 3, lines 16-23, lines 55-64, Figures 1 and 2).

Regarding Claim 2, Rosenzweig discloses that generating one or more indicia maps indicating objects in the view having corresponding annotations (116, 122) comprises generating at least one indicia map indicating the existence of annotations for a specified group (114) of data objects (See Figure 2).

Regarding Claim 3, Rosenzweig disclose that the view of data comprises a portion of a text document (See the text in Figure 2).

Regarding Claim 4, Rosenzweig discloses that providing an indication of which objects in the view have corresponding annotations comprises displaying one or more annotation icons proximate one or more objects having corresponding annotations (See abstract, Col. 2, lines 41-45, lines 63-67, Col. 3, lines 1-5, Figures 1-3).

Regarding Claim 5, Rosenzweig discloses that generating one or more indicia maps indicating objects in the view having corresponding annotations comprises:

- setting a first bit in an indicia map to indicate a first data object has a corresponding annotation (bit is an inherent feature in data); and
- setting a second one or more bits in the indicia map to indicate one or more sub-objects (See folder objects under "My Organization") related to first data object have corresponding annotations (See figure 2).

Regarding Claim 6, Rosenzweig discloses a method for indicating annotated objects in a relational view of data having rows of individual cells (See cells in each rows e.g. event, date, location, etc. in information 116) (See Figures 1-3), comprising:

- querying an annotation store (See Col. 1, lines 9-35) to identify annotations (116, 122) corresponding to objects in the view (See Col. 3, lines 16-23 and Figures 1-5);
- generating one or more indicia maps indicating objects in the view having corresponding annotations (See Col. 3, lines 16-23, lines 55-64, Figures 1 and 2), wherein the one or more indicia maps each comprise a single bit (bit is an inherent feature in all data) corresponding to a row and one or more bits corresponding to individual cells in the row (See cells in each rows e.g. event, date, location, etc. in information 116) (See Figures 1-3); and
- providing an indication of objects in the view having corresponding annotations, based on the one or more indicia maps (See Col. 3, lines 16-23, lines 55-64, Figures 1 and 2).

Regarding Claim 7, Rosenzweig discloses that querying the annotation store to identify annotations corresponding to objects in the view comprises generating and executing a query specifying a data source (See Col. 3, lines 16-23 and Figures 1-5) and one or more primary keys identifying objects in the view (See Figures 1-5).

Regarding Claim 8, Rosenzweig discloses that retrieving the primary keys comprises:

- receiving a query (search 110) for generating the view, wherein a specified result set of the query does not include primary key data (picture content categories and graphical browser) (See Figure 1); and

- modifying the query to include primary key data in the result set (See Figure 2-5).

Regarding Claim 9, Rosenzweig discloses that at least one of the indicia maps comprises one or more bits (inherent feature since data is formed by bit) indicating the existence of annotations corresponding to a specified group of cells (See Figures 1-5 and Col. 3, lines 16-23).

Regarding Claim 10, Rosenzweig discloses that providing an indication of which objects in the view have corresponding annotations comprises:

- displaying an annotation icon proximate a row if the bit corresponding to the row is set (all bits must be set in order to form a data on display) (See Figures 1-5 and abstract); and
- displaying one or more annotation icons proximate one or more cells if their corresponding bits are set (all bits must be set in order to form a data on display) (See Figures 1-5 and abstract).

Regarding Claim 11, Rosenzweig discloses the method further comprising:

- retrieving partial annotation information related to annotated objects (See Figure 4); and
- displaying partial annotation information in response to a user placing a mouse cursor over an annotation icon (See figure 4).

Regarding Claim 12, Rosenzweig discloses the method further comprising, in response to a user selecting an annotation icon, displaying a corresponding annotation (See Abstract, Figures 1-5).

Regarding Claim 13, Rosenzweig discloses the method further comprising retrieving the corresponding annotation, in response to the user selecting the annotation icon (See Abstract, Figures 1-5).

Regarding Claim 14, Rosenzweig discloses that generating one or more indicia maps indicating which, if any, objects in the view have corresponding annotations comprises: generating a temporary table (116) having entries (specific information) with a single bit set to indicate an annotated row or annotated individual cells (See Col. 3, lines 5-54); and combining individual entries corresponding to a common row to generate an indicia map for the common row (See Figures 1-5)

Regarding Claim 15, Rosenzweig discloses a computer-readable medium containing a program for indicating objects in a view of data that have annotations which, when executed by a processor, performs operations comprising:

- querying an annotation store (See Col. 1, lines 9-35) to identify annotations corresponding to objects in the view (See Col. 3, lines 16-23 and Figures 1-5);
- generating one or more indicia maps indicating objects in the view having corresponding annotations (See Col. 3, lines 16-23, lines 55-64, Figures 1 and 2); and
- providing an indication of objects in the view having corresponding annotations, based on the one or more indicia maps (See Col. 3, lines 16-23, lines 55-64, Figures 1 and 2).

Regarding Claim 16, Rosenzweig discloses that querying the annotation store comprises querying a data source separate from a data source containing the corresponding objects in the view (switching other folders under 104, 106, 108) (See Figures 2-5).

Regarding Claim 17, Rosenzweig discloses that the view of data comprises a portion of a text document. (See the text in Figure 2).

Regarding Claim 18, Rosenzweig discloses that the view of data comprises a relational view of data having rows of individual cells (See Figures 1-5); and each indicia map (See cell table 116) comprises a single bit corresponding to a row and one or more bits corresponding to individual cells in the row (See Figures 1-5).

Regarding Claim 19, Rosenzweig discloses that querying the annotation store to identify annotations corresponding to objects in the view comprises generating and executing a query specifying (See Col. 3, lines 16-23 and Figures 1-5) a data source and one or more primary keys identifying rows in the view. (Selecting desired picture content categories and graphical browser) (See Figures 1-5)

Regarding Claim 20, Rosenzweig discloses a system for indicating objects in a view of data having corresponding annotations, comprising:

- an annotation database (See Col. 1, lines 9-35) for storing annotation records containing annotations (See Col. 3, lines 16-23 and Figures 1-5); and
- an executable component configured to query the annotation database to identify annotations corresponding to objects in the view, generate one or

more indicia maps indicating objects in the view having corresponding annotations (See Col. 3, lines 16-23, lines 55-64, Figures 1 and 2), and provide an indication of objects in the view having corresponding annotations, based on the one or more indicia maps (See Col. 3, lines 16-23, lines 55-64, Figures 1 and 2).

Regarding Claim 21, Rosenzweig discloses that the view of data comprises a relational view of data having rows of individual cells (See Figures 1-5); and each indicia map (See cell table 116) comprises a single bit corresponding to a row and one or more bits corresponding to individual cells in the row (See Figures 1-5).

Regarding Claim 22, Rosenzweig discloses the executable component is configured to query the annotation database to identify annotations corresponding to objects in the view by generating and executing a query specifying a data source and one or more primary keys identifying objects in the view. (Selecting desired picture content categories and graphical browser) (See Figures 1-5)

Regarding Claim 23, Rosenzweig discloses that the executable component is further configured to obtain the one or more primary keys by modifying a query designed to generate the view of data. (Selecting desired picture content categories and graphical browser) (See Figures 1-5)

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Naples et al. (6,924,425) discloses a method and apparatus for

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storing a multipart audio performance with interactive playback. Bertram (6,011,546) discloses a programming structure for user interfaces.

Correspondence

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Examiner Wilson Lee whose telephone number is (571) 272-1824.

Papers related to the application may be submitted by facsimile transmission. Any transmission not to be considered an official response must be clearly marked "DRAFT". The official fax number is (571) 273-8300.

Information regarding the status of an application may be obtained from the Patent Application Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



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U.S. Patent & Trademark Office

11/16/06